



### **Summer term 2019 in Monkeypuzzle class, year 3 and 4.**

Dear parents,

I hope you had a good Easter. This summer the topic in our class is **Buildings and Structures**. We will be exploring different types of buildings, finding out how they are designed and built, and we will do lots of activities involving design technology, art, science and maths. Our homework project will be for the children to create a model bridge. Any design and materials will do!

We will be focusing on various other things of course; please see the attached “overview” for more detail.

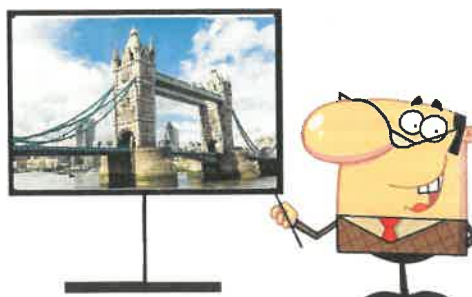
This term there is no swimming for our class. PE will be on Tuesdays and Fridays.

Homework will be set on Fridays for return by the following Friday. Spellings tests will also be on Fridays, and times tables tests will be on Mondays.

I hope that covers everything. If you have any queries about anything, please don't hesitate to contact me. Thank you for your support.

Yours faithfully

Mr A Plumb



### Topic Objectives – Nat Curr

Name and Locate countries and cities of the UK, geographical regions and their identifying human and physical features.

Use an 8 point compass, 4 and 6 figure grid references, symbols and keys to build their own knowledge of the UK

Observe, measure and record human and physical features in the local area using a range of methods

Create sketchbooks to record observations and use to revisit and review

Improve mastery techniques in drawing and painting

Learn about great artists /architects/designers

Generate, develop, model and communicate their ideas through discussion and annotated sketches etc

Use research and develop design criteria to create and inform innovative, functional appealing designs

Select from and use a wide range of tools and equipment to perform practical tasks

Select and use a wide range of construction materials

Evaluate their ideas and products against their own design criteria and consider the views of others

Apply their understanding of how to strengthen, stiffen and reinforce complex structures

Use technologies effectively, appreciate how information is selected and ranked

Select, use and combine a variety of software to support design work

Use technology safely, respectfully and responsibly: recognise acceptable and unacceptable behaviour and identify the ways in which we can report concerns

### Knowledge

- Different types of structures – homes, bridges etc.
- Famous architects – Brunel, Nash, Norman Foster, Charles Barry, Renzo Piano as possibilities
- Human and Physical features of the different countries that make up the UK and own locality
- The 8 points of a compass
- Co-ordinates usage
- Have knowledge of great architects and how their art form has progressed over the years
- How to minimise risks online –e-safety
- Develop a repertoire of knowledge regarding the process of how to design something

### Skills

- Use maps, atlases and globes and digital and computer mapping to locate countries and their features
- Understand how simple networks are set up and used
- Understand the effect of online comments and show responsibility and sensitivity when online
- Become proficient in drawing and painting techniques
- Evaluate and analyse creative works using the language of art, craft and design
- To create a well thought through and developed prototype
- Critique, evaluate their own ideas and others
- Collect, analyse and communicate a range of information gathered that demonstrates geographical features
- Comparing and contrasting different features in the UK

## Buildings and Structures Y3 /4 Year A Term 5/6

### Learning Links

Maths, IT, Home School project  
Visit from Architect / builder

LKS2 – The Romans

UKS2 – It's all Greek to Me, Ancient Egypt

### Vocabulary

Diagram, prototype, criteria, structure, different types of buildings, architecture, materials, types of bridges, record observation, perspective, scale, ratio, directions, earthquakes, rivers, force, friction, resistance,

### Assessment

End of Topic review / evaluation – child led  
Ongoing marking – wow and now – school policy  
Weekly assessment against success criteria